



**BLOCK MACHINES
HAND STRIPPERS
POWER STRIPPERS
POWER TAMPERS
ELEVATOR *and* FEEDERS**

Miles

CONCRETE EQUIPMENT



*Manufactured by
The Miles Manufacturing Co.
Jackson Michigan*



Thousands of Satisfied Users and Over a Quarter Century of Experience Prove the Qualities of Miles Concrete Equipment



WHEN you buy a new piece of Concrete Equipment, you cannot afford to experiment. It gives you confidence in a product to know that it has passed the experimental stage and has proven satisfactory to thousands of other concrete products manufacturers.

In every part of the United States and in practically every foreign country are Miles Concrete Equipment users, who will gladly recommend our equipment to you.

Having specialized on concrete equipment for over twenty-nine years, our experience has taught us that service and production are the two most important elements in the building of concrete equipment.

You should not consider price alone as equipment which is lowest in cost may be the most expensive in the long run, because cheap construction cannot be dependable, convenient or speedy.

Our policy has never been to build cheap equipment, but to build the best at the lowest possible cost, our prices being made possible by large volume production and facilities for manufacturing at the minimum expense.

Every statement in this catalog has been carefully made, without exaggeration. Production figures quoted are average production figures obtained from thousands of customers and can be easily equalled and should be bettered.



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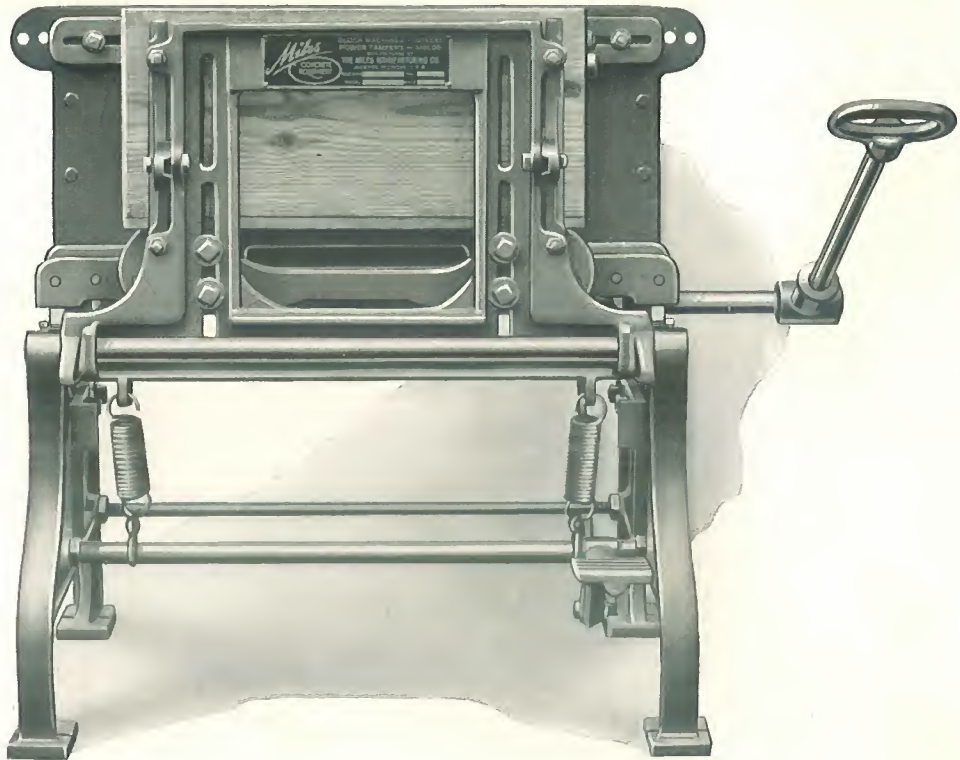


CATALOG NO. 312





Miles No. 1 Block Machine



THIS is our face down block machine which can be used either with or without power tamper. However, it is built especially for power tamping purposes, being extra heavy throughout, and should you wish to start to make blocks by hand, a power tamper can be added at any time without any changes or adjustments.

This machine is conceded to be the fastest block machine on the market and is designed especially to work with our Miles No. 4 Power Tamper shown on pages 18, 19, 20 and 21. It can also be used with any other make of four bar power tamper.

Operation

Blocks are made face down on this machine which assures perfect faces of

any design. The machine is equipped with three oval cores inserted and withdrawn mechanically by lever conveniently located to the right of mold box or with foot trip lever.

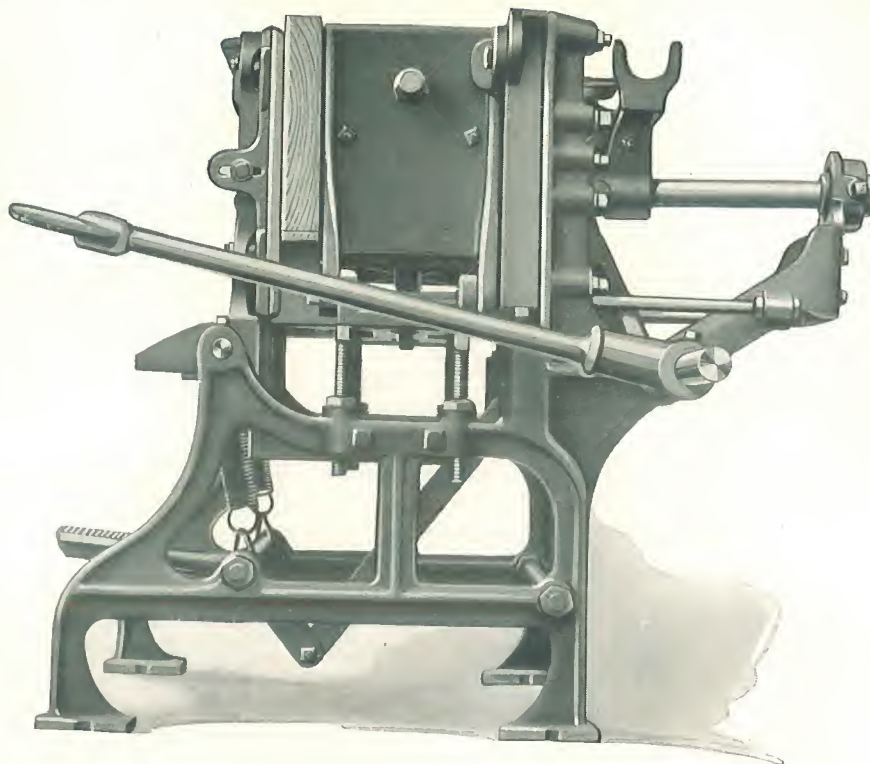
It requires but a touch of the hand or foot to draw these cores in or out. These levers are so located that operator does not take a single step or need to exert himself to operate same.

Due to the scientific construction of our cores the very wettest of blocks can be made and you do not tamp beneath the cores before drawing them in place. Cores are drawn into the mold box before any material is placed in same, which speeds up production.

Blocks made on this machine are absolutely square and have clean sharp faces.



Miles No. 1 Block Machine



Construction

The Miles No. 1 Block Machine is all iron and steel construction. All truss rods and braces are of steel and many parts are made of metals of special analysis to meet the particular requirements of those parts.

None but the very best of materials enter into the construction of this machine and these are accurately machined and fitted. This assures you of a machine that will make blocks absolutely square and uniform.

Adjustments on this machine for making blocks of various lengths, widths and heights are very simple and any man in your block plant can make them. It does not require an expert mechanic.

The machine is fitted with four saddle stops which assures you that the machine will make perfectly square blocks at all times and is equipped with self-aligning bearing which assures you that the cores will be withdrawn in a straight line, thus eliminating all possibility of cracking the blocks.

This machine is extra heavy throughout, built especially for power tamping purposes and designed for speed and large quantity production and will last a life time under any power tamper. It has proved its value by 21 years of constant service in thousands of concrete products plants in all parts of the world.

Cores

We furnish this machine with cores for making blocks with $33\frac{1}{3}\%$, 40% or 50%



Miles No. 1 Block Machine

air space. 40% is standard and is the size furnished unless otherwise specified.

Block Sizes

The standard size blocks today are 8 x 8 x 16, 8 x 10 x 16 and 8 x 12 x 16. This machine will make these sizes and in addition, you can make blocks 4, 6, 8, 10, 12, 16, 18, 20, 22 and 24 inches long, 3, 4, 6, 8, 10 and 12 inches wide and 4, 6 and 8 inches high.

Fractional Blocks

Fractional blocks can be made in any length desired. Half blocks can be made two at a time just as fast as the full size blocks. We can also furnish plates for making one half block and two quarter blocks at one time, or one three-quarter and one quarter block at a time, or divided in any manner you may wish.

Face Plate Designs

Face plates of all designs shown on pages 9, 10 and 11 can be furnished for this machine. However, when no preference is given, the standard designs as shown at the bottom of page 8 are furnished. Should you fail to find the design that you prefer advise us as we have hundreds of other patterns and no doubt can furnish exactly the design that you desire. Our designs are attractive and will produce blocks with clean, sharp cut faces.

Pallets

All Miles machines have adjustable pallet brackets, which permit the use of either wood or metal pallets.

Production

With this machine, using hand tamper, you can easily average 300 blocks per

day. With a Miles No. 4 Automatic Power Tamper you can average from 800 to 1000, 8 x 8 x 16 standard blocks. Many of our customers average as high as 1250 blocks per nine hour day with one man at the machine.

Exact production depends upon the distance the blocks must be carried to curing racks and upon the men themselves.

See pages 28, 29, 30 and 31 showing a few of hundreds of letters received annually from our thousands of satisfied customers. These are average production figures. We have many customers who are getting even larger production.

For still larger production, we suggest the installation of our Miles Elevator and Feeder shown on pages 22 and 23 which when used in connection with our Miles No. 1 block machine and Miles No. 4 Power Tamper will easily double the production of same.

When you purchase a Miles No. 1 block machine you will own a machine which is miles beyond the experimental stage, a machine which has proved its value by 21 years of actual service in the plants of thousands of satisfied customers in all parts of the world.

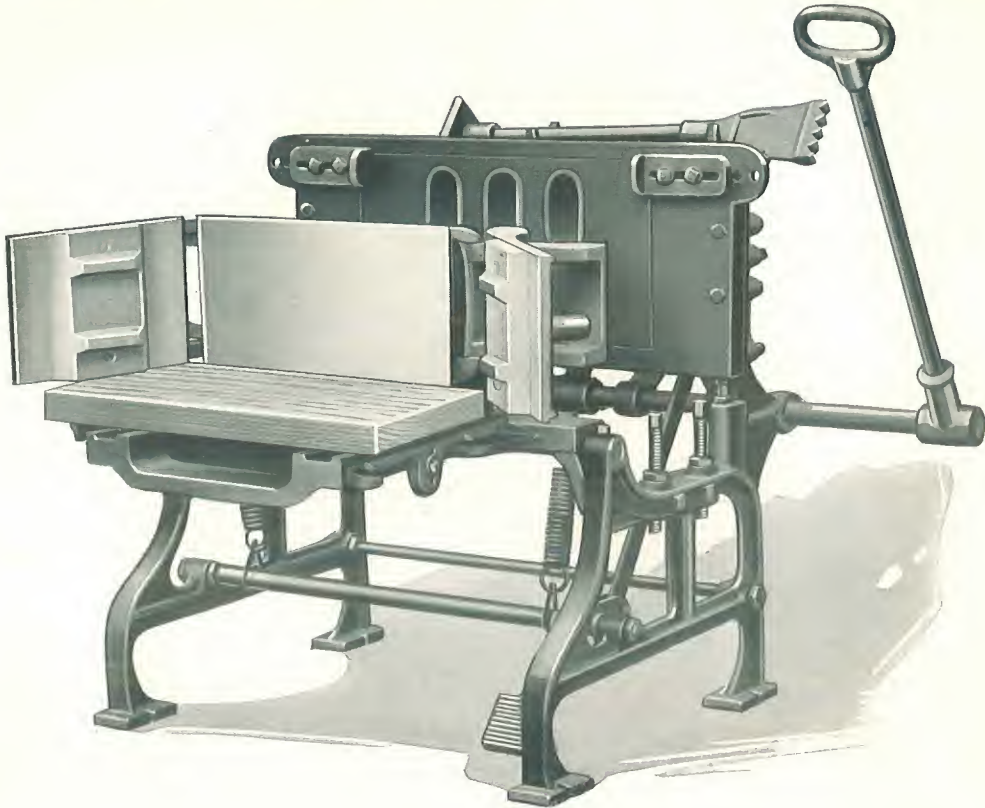
It is a machine built for both speed and service and which is fully guaranteed. This machine positively must be seen and used in order to be appreciated. It is without equal for speed and the production of quality blocks. It is rigidly built for the most severe service and will give you highly satisfactory products for a life time.

Combinations

See page 8 for a complete list of combinations. Also on page 8 our standard



Miles No. 1 Block Machine



Plain, Panel and Rock design faces are shown. There also is shown top view of blocks, illustrating the construction of Miles cores known as bridge type construction, which assures you of the very strongest block. End view is also shown, showing our double finger grip, which is very highly thought of by masons and all who have to handle the blocks.

Advantage of Three Core Blocks

Three core blocks are preferred by masons and builders, because they can be broken in the middle to make halves or broken in the middle and one end to make a half and two quarter blocks or broken through one end core only to make a quarter block and a three-quarter block, in order to allow the mason to complete the job in a workmanlike man-

ner without waiting to obtain fractional blocks, which often means a delay of anywhere from a few hours to a number of days.

The chief and most important advantage of the three core block is that it is much stronger than the two core block for the reason that the air spaces are more equally divided and are in the form of arches, which gives strength to the block and which allows you to core out more material giving you a lighter block at less cost and one that will stand a higher test.

Special Blocks

We can furnish attachments for making two core blocks on our machines, or any other special blocks that you may desire to make.



Miles No. 1 Block Machine Combinations

Furnished in the following combinations to meet your particular requirements.

If special combination is desired, advise us what size and design in blocks you wish to make and we will gladly quote you on the particular combination you desire.

No. 1 Miles Block Machine (Frame Only). No cores or core plate, face plate of end plates.

Combination 1—Includes Hand Tamper, Sample Pallet and all necessary plates for making 8 x 8 x 16 plain face blocks, half and corner blocks.

Combination 2—Includes Hand Tamper, Sample Pallet and all necessary plates for making 8 x 10 x 16 plain face blocks, half and corner blocks.

Combination 3—Includes Hand Tamper, Sample Pallet and all necessary plates for making 8 x 12 x 16 plain face blocks, half and corner blocks.

Combination A—Includes Hand Tamper, Sample Pallet and all necessary plates for making 8 x 8 x 16 plain and rock face blocks, half and corner blocks.

Combination B—Includes Hand Tamper, Sample Pallet and all necessary plates for making 8 x 8 x 16 plain face, rock

face and panel face blocks, half and corner blocks.

Combination C—Includes Hand Tamper, Sample Pallet and all necessary plates for making 8 x 8 x 16 and 8 x 10 x 16 plain and rock face blocks, also half blocks and corner blocks.

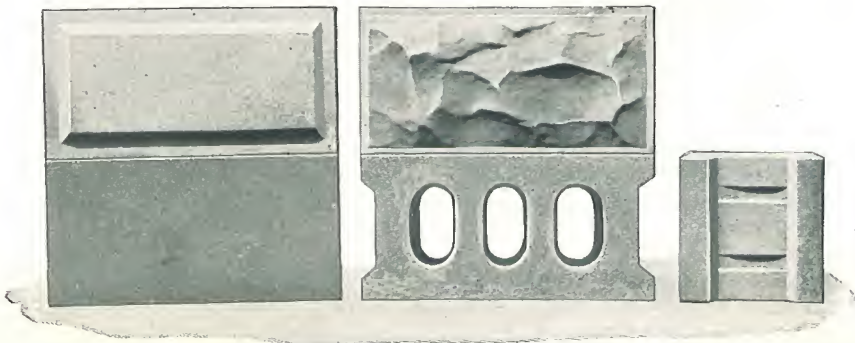
Combination D—Includes Hand Tamper, Sample Pallet and all necessary plates for making 8 x 8 x 16 and 8 x 10 x 16 plain, rock and panel face blocks, also half blocks and corner blocks.

Combination E—Includes Hand Tamper, Sample Pallet and all necessary plates for making 8 x 8 x 16, 8 x 12 x 16 plain and rock face blocks, half and corner blocks.

Combination F—Includes Hand Tamper, Sample Pallet and all necessary plates for making 8 x 8 x 16 and 8 x 12 x 16 plain, rock and panel face blocks, also half blocks and corner blocks.

Combination G—Includes Hand Tamper, Sample Pallet and all necessary plates for making 8 x 8 x 16, 8 x 10 x 16 and 8 x 12 x 16 plain and rock face blocks, half blocks and corner blocks.

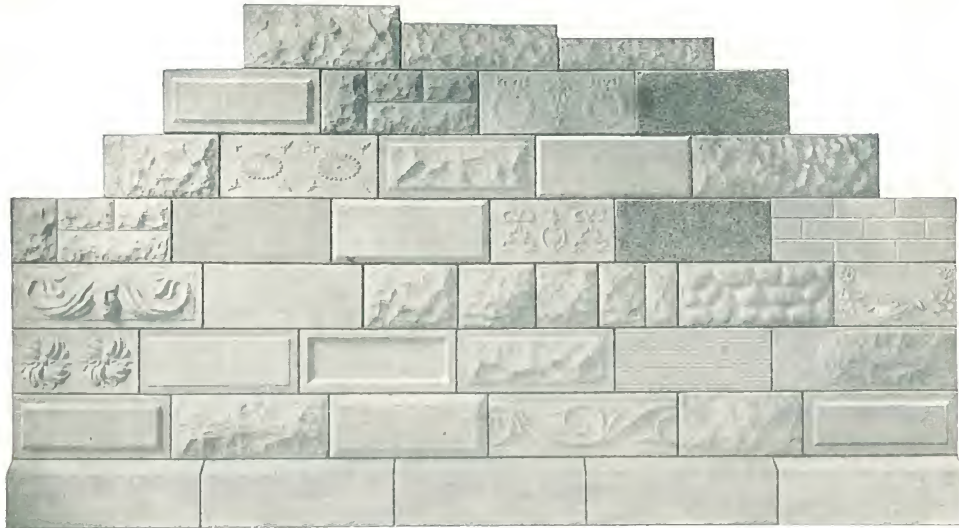
Combination H—Includes Hand Tamper, Sample Pallet and all necessary plates for making 8 x 8 x 16, 8 x 10 x 16 and 8 x 12 x 16 plain and rock blocks, half blocks and corner blocks, and the same in panel face blocks.



Above is shown the type of block made on our Miles No. 1 Block Machine. The end view shows the double finger grip. It also shows our standard Rock and standard Panel designs.



Block Designs



Face Plates and End Plates of all the above designs can be furnished for Miles No. 1 Block Machine.

Top row—8 x 16, 6 x 16 and 4 x 16 medium coarse rock design.

Second row—Panel face plate, broken ashlar design, wreath design, granite face.

Third row—8 x 12 medium coarse rock, ornamental medallion, rock face plate with 1" tooled margin, beveled face plate, 8 x 20 medium coarse rock.

Fourth row—Broken ashlar, vertically tooled design, beveled face plate design, ribbon design, granite face design, and brick design.

Fifth row—Roman design, plain face, 8 x 16 medium coarse rock divided 12 x 4, 8 x 16 medium coarse rock divided 8 x 6 x 2, cobble-stone design, blue ribbon design.

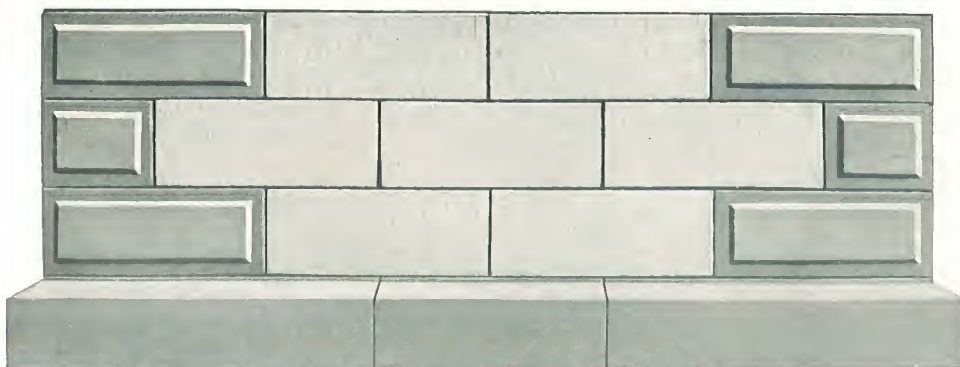
Sixth row—Medallion design, panel design with tooled edge, sunken panel design, rock design with 1" tooled margin, horizontal tooled face plate for stuccoed work, gable design.

Seventh row—Panel design, fine rock, beveled face, scroll design, medium coarse rock and panel face design.

Eighth row—Water table block.

Block Designs

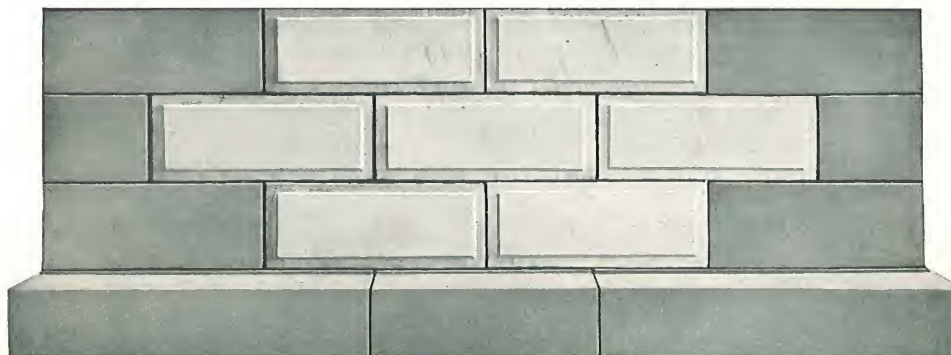
Face and End Plates of all designs shown below can be furnished for Miles No. 1 Block Machine, in any size desired.



Vertical tooled and panel face designs



Rock face with 1" tooled margin and panel face design



Bush Hammered face with 1" tooled margin and plain face blocks



Block Designs

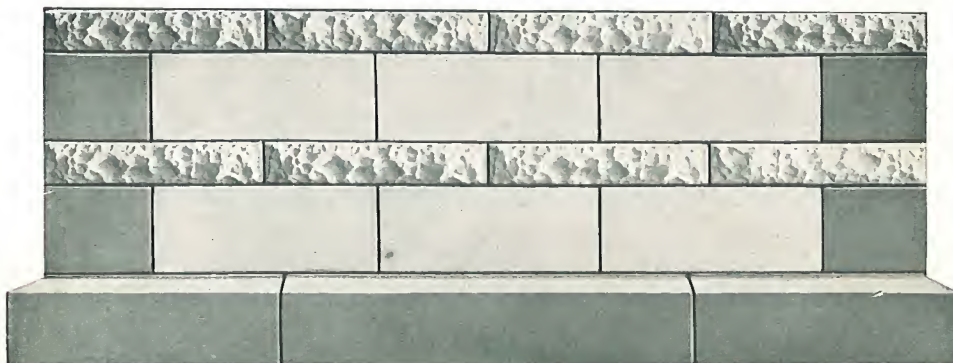
Face and End Plates of all designs shown below can be furnished for Miles No. 1 Block Machine, in any size desired.



Beveled face and fine rock designs

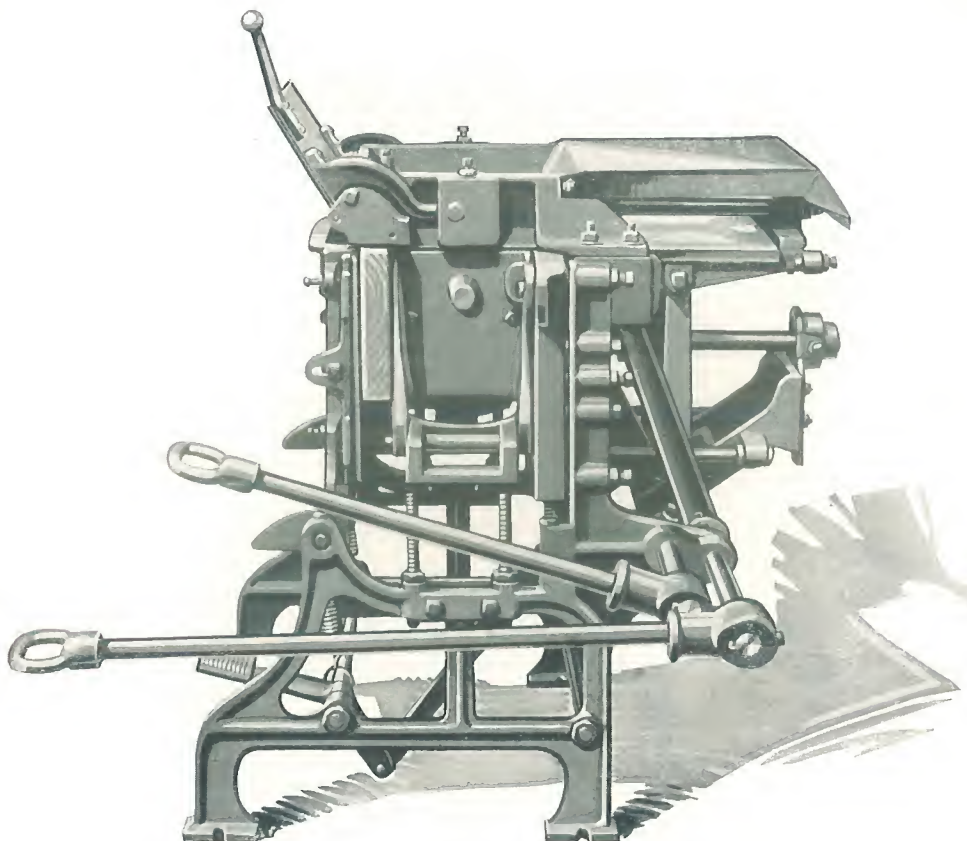


Broken ashlar and panel face designs



4" high rock block and plain blocks

Strike-Off Hopper and Finishing Attachment



View No. 1

THIS attachment greatly increases the production of the Miles No. 1 Block Machine for, when you have finished tamping the block, this strike-off hopper strikes off the surplus material on the top of the block, leaving just the right amount for the finishing of the top. It holds the surplus in the hopper ready for the next block.

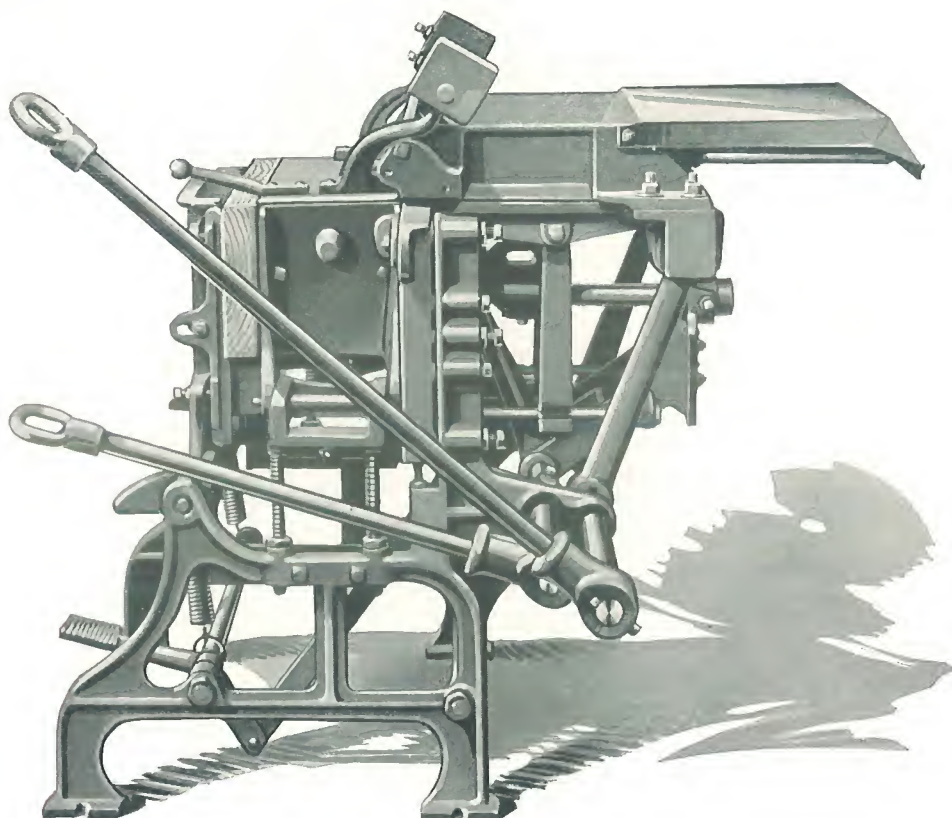
Finishing Plate is attached to strike-

off hopper, always ready for use, and when not in use is held in an upright position out of the way.

There is an adjustment on the strike-off hopper which permits you to leave any amount of material that you desire on the top of block after striking off for finishing. This is important as some aggregates require more for finishing than others.



Strike-Off Hopper and Finishing Attachment



View No. 2

Construction

This attachment is made entirely of the very best of materials, some of which are of special analysis and will give you years of satisfactory service.

This attachment can be bought with the machine or added at a later date as no changes are necessary on the block machine.

This attachment is equipped with self-aligning bearings which assures you of an easy operating attachment and is so

constructed that all working parts are protected from the material.

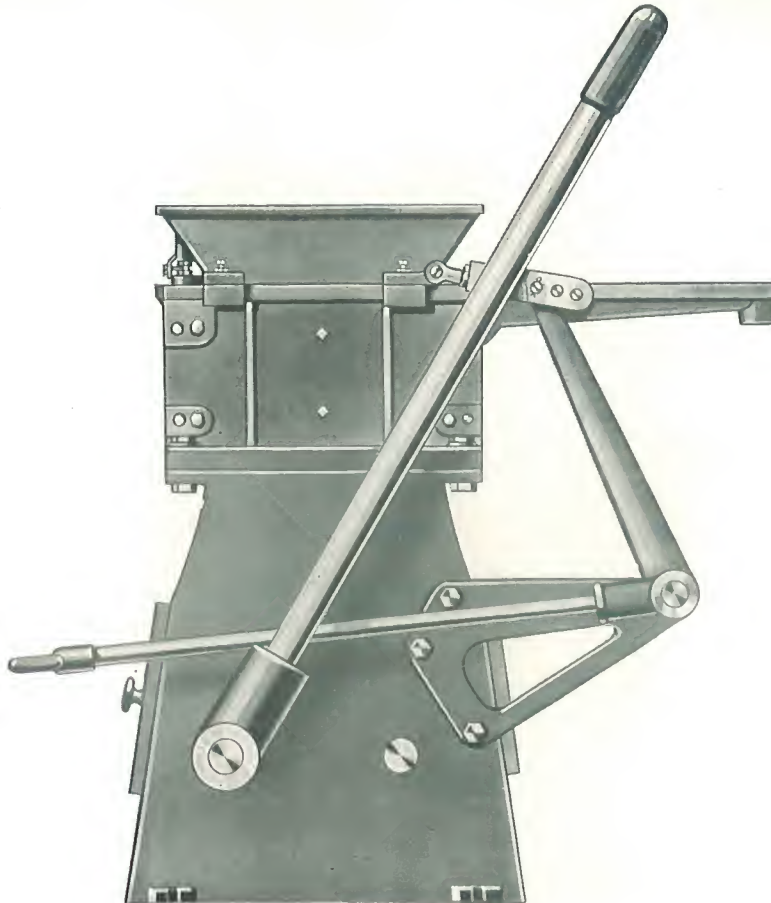
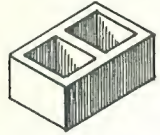
View No. 1 shows the position of the strike-off hopper over the mold box, when the block is thoroughly tamped the strike-off lever is drawn upward which draws the hopper back, striking off the surplus material and holding it in the hopper ready for the next block.

View No. 2 shows the strike-off hopper back and the finishing plate down for the finishing off of the top of the block.



THE MILES MANUFACTURING COMPANY ❖ JACKSON, MICH.

Miles Hand Operated Stripper



FOR those who already have a Face Down Block Machine, or who wish to make plain face blocks only the Stripper Machine will answer their requirements.

This machine can be used for either hand tamping or power tamping purposes as it is a machine which is constructed for the severest kind of service and built of none but the very best of materials throughout.

The construction of this machine is such as to permit the operation of the machine with the least amount of energy.

It can be had with either hand or lever operated strike-off attachment as shown on price list.

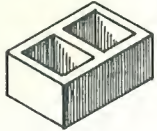
Blocks made on this machine are of the three core type, the same as made on our face down machine as shown on page 8, except that plain face blocks only can be made. At the top of this page you will also note the construction of the tile made on this machine.

Production

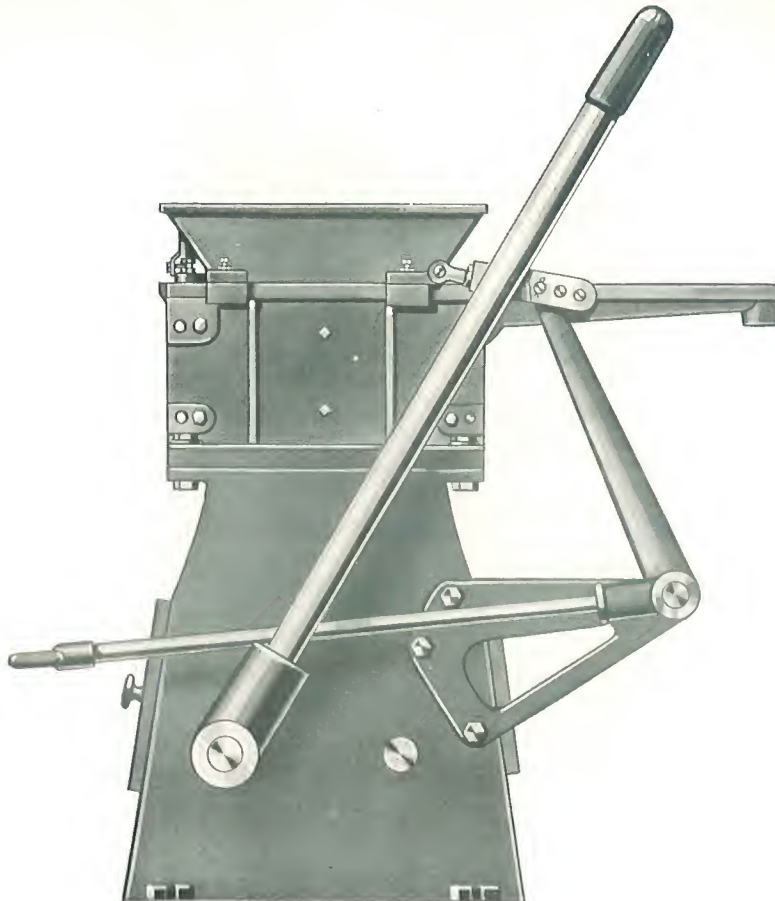
With the Miles Hand Operated Stripper Machine and tamped by hand, 300 blocks per day can be made.

When power tamper is used 800 to 1000 blocks per day can be made.

When Elevator and Feeder is used in connection with this machine, also Power



Miles Hand Operated Stripper



Tamper, a production of 1200 to 1400 blocks can be averaged.

The exact production depends entirely upon the conditions in your plant. For example, the distance the blocks must be carried and upon the ability of your men. The machine has the speed and will always be waiting on your men. For example, we have a customer who averages 1250 blocks per nine and one-half hour day, removing his own blocks from the machine and placing them on cars at the side of the machine.

Our Stripper Machine will make the following concrete products:

Concrete Blocks

8 x 8 x 16, 8 x 10 x 16 and 8 x 12 x 16

plain face blocks of the three core type with either 33 $\frac{1}{3}$ %, 40% or 45% air space.

Will also make two core blocks in the 8 x 8 x 16, 8 x 10 x 16 and 8 x 12 x 16 sizes with either 33 $\frac{1}{3}$ % or 40% air space.

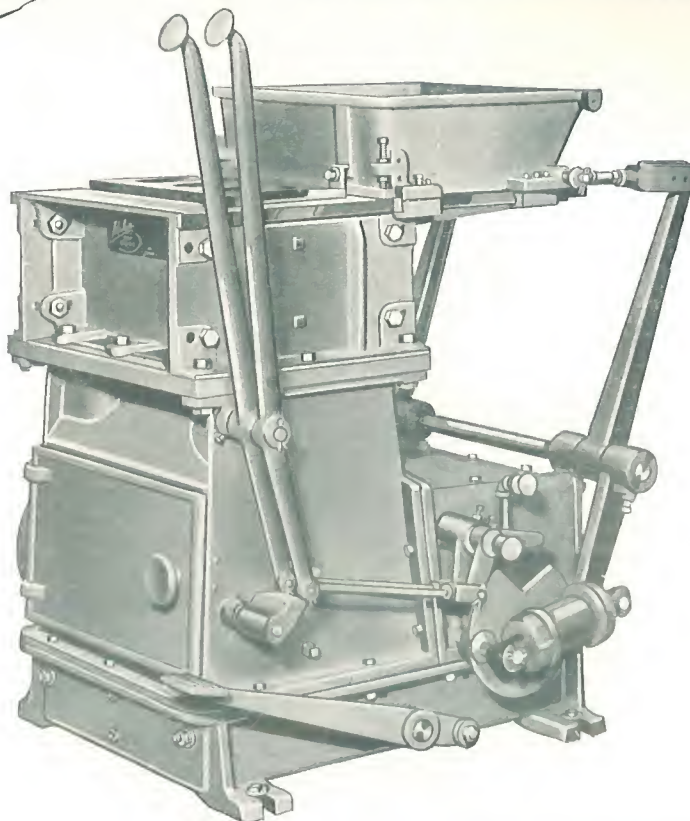
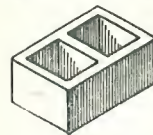
Hollow Tile

This machine will make two 5 x 8 x 12 tile at one time, or four 5 x 4 x 12 tile at one time.

Slab or Veneer Blocks

This machine will make two 4 x 8 x 16 slabs at one time or two 5 x 8 x 16 slabs at one time, also two 6 x 8 x 16 slabs at one time.

Miles Power Stripper



HERE is a machine for those who want large production and also wish to reduce their labor costs. This machine is entirely mechanically operated and is equipped with strike-off hopper as standard equipment which is included in the cost of same as shown on price list.

Operation

Blocks are removed from the mold box by power. It requires but a touch of one of the levers at the right of machine to remove the block from mold box. The foot trip lever at the base of machine need only be touched to release the mold box when it returns to its normal position ready for the making of another block.

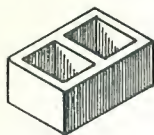
The strike-off hopper is controlled by a lever at the right of machine. One movement of this lever brings the strike-off hopper with material over the mold

box. When the block is finished another movement of this lever causes the strike-off hopper to move backward off of the mold box, carrying the surplus material with it to be used in the next block, striking off the top of the block which completes the block.

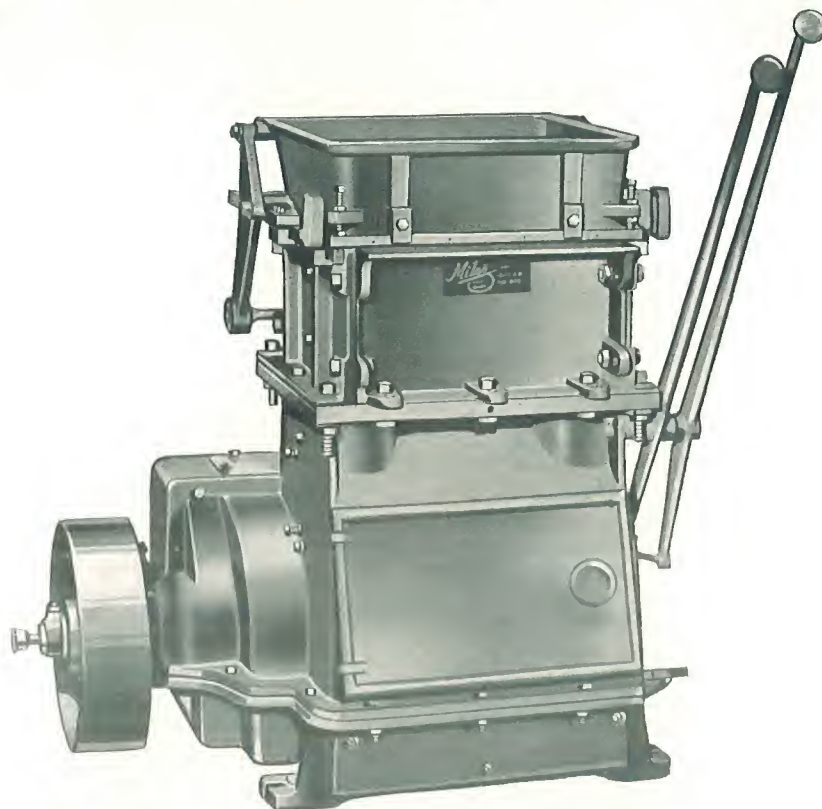
Please understand that you do not operate this strike-off hopper with a lever, you merely release this hopper by a very slight movement of the control lever. The hopper is mechanically operated and it requires no energy whatever on the part of operator.

Mold Box Liners

This machine is equipped with hardened mold box liners which are ground and polished to the smoothness of plate glass and when worn on one side they can be reversed and used on the opposite side. These original liners will last for years, in fact it is doubtful whether they ever can be worn out.



Miles Power Stripper



Construction

This machine is built of none but the very best of materials and to those who have seen the mechanism and operation, it is a wonder of engineering skill due to the simplicity of construction and the all automatic nature of its operation. The operator, in the operation of this machine never exerts himself any more than moving the control levers approximately 1 inch, which requires but the touch of the hand.

The construction of the building tile made on this machine is shown at the top of this page.

This machine should only be used with Power Tamper and Elevator and Feeder as shown on page 25 as it is a large production machine and is built especially for those who already have face down machines for making their face blocks or those who wish to make plain face blocks only in large quantities.

Production

This machine will average three blocks per minute every hour of the day.

Our Stripper Machine will make the following concrete products:

Concrete Blocks

8 x 8 x 16, 8 x 10 x 16 and 8 x 12 x 16 plain face blocks of the three core type with either 33 $\frac{1}{3}$ %, 40% or 45% air space.

Will also make two core blocks in the 8 x 8 x 16, 8 x 10 x 16 and 8 x 12 x 16 sizes with either 33 $\frac{1}{3}$ % or 40% air space.

Hollow Tile

This machine will make two 5 x 8 x 12 tile at one time, or four 5 x 4 x 12 tile at one time.

Slab or Veneer Blocks

This machine will make two 4 x 8 x 16 slabs at one time or two 5 x 8 x 16 slabs at one time, also two 6 x 8 x 16 slabs at one time.



Miles Power Tamper

Miles No. 4 Power Tamper

THIS machine has proved its value by 18 years actual service in the plants of thousands of satisfied customers in all parts of the world and will be gladly recommended to you by satisfied owners. It will pay for itself in your plant in a few weeks time by your increased production.

Imitations

This machine is the most widely imitated of any machine in the concrete products industry. Our competitors concede it to be without equal, therefore attempt to copy same. However, they cannot hope to build a machine and sell it at anywhere near the same price or give the buying public anywhere near the same quality, for the reason that we have devoted the past 18 years to the manufacture and perfection of this machine, many parts of which are made of special analysis steel, developed in our own laboratories. Our years of experience have taught us the exact size and grade of material to be used for each part.

Exclusive Features

Miles tampers have exclusive features not to be found in any make of equipment and which are fully protected.

Production

This is conceded the fastest power tamper on the market today barring none.

With this machine and our Miles No. 1 block machine you can easily average from 800 to 1000 blocks per nine hour day. Hundreds of our customers average more than 1000 blocks per nine hour day.

The exact production depends entirely upon the arrangement of your plant and the distance the blocks must be carried to the curing racks, and upon the men themselves. We do not make exaggerated claims. Every statement we make we can prove to you in your plant with-

out obligation on your part. All production figures quoted are obtained from our thousands of customers in all parts of the United States and are a fair average which any concrete products man can equal and should better.

Construction

Our power tampers are all steel and iron construction, rigidly built for the most severe service. Many working parts are of special analysis metals, assuring long life and constant uninterrupted production.

Our Power Tampers are equipped with self-aligning and lubricated bearings, and are chain driven. This we know, by years of experience, is the most positive drive and which will give you constant production year after year.

We experimented very extensively with flight driven type tampers years ago and found them very unsatisfactory and noisy. Our chain drive is silent and positive. It does not require continuous attention or constant repairs.

Refer to pages 19 and 21 and note the simplicity of this machine, the few working parts and the rigid construction. It is built just as rigidly as a skyscraper, with structural steel. Every bolt is fitted with lock washers, which means that the bolts will not vibrate loose and allow your machine to rack itself. Many customers never anchor Miles power machines, for the reason that Miles machines do not vibrate. This is due to the rigid construction and accurate workmanship of all parts entering into the construction.

Control

One control lever on the Miles power tamper controls the operation. It is conveniently located at the right of machine so the operator need not take a single step in operating this machine. He stands in one position, the control



Miles Power Tamper

lever is in easy reach and he does not have to exert himself. It requires but a touch of the hand to manipulate the control lever.

Automatic Control

Our power tampers are equipped with an automatic control, which automatically and positively controls the entire operation.

One Unit

Our Power Tamper and Block Machine when set up, are one unit. The block machine is bolted to the tamper frame, making it impossible for the block machine to get out of alignment with the tamper.

Regardless of whether you anchor the power tamper or not, you are assured at all times that your block machine will be in perfect alignment with the power tamper. This naturally, is impossible with power tampers that are suspended from rafters.

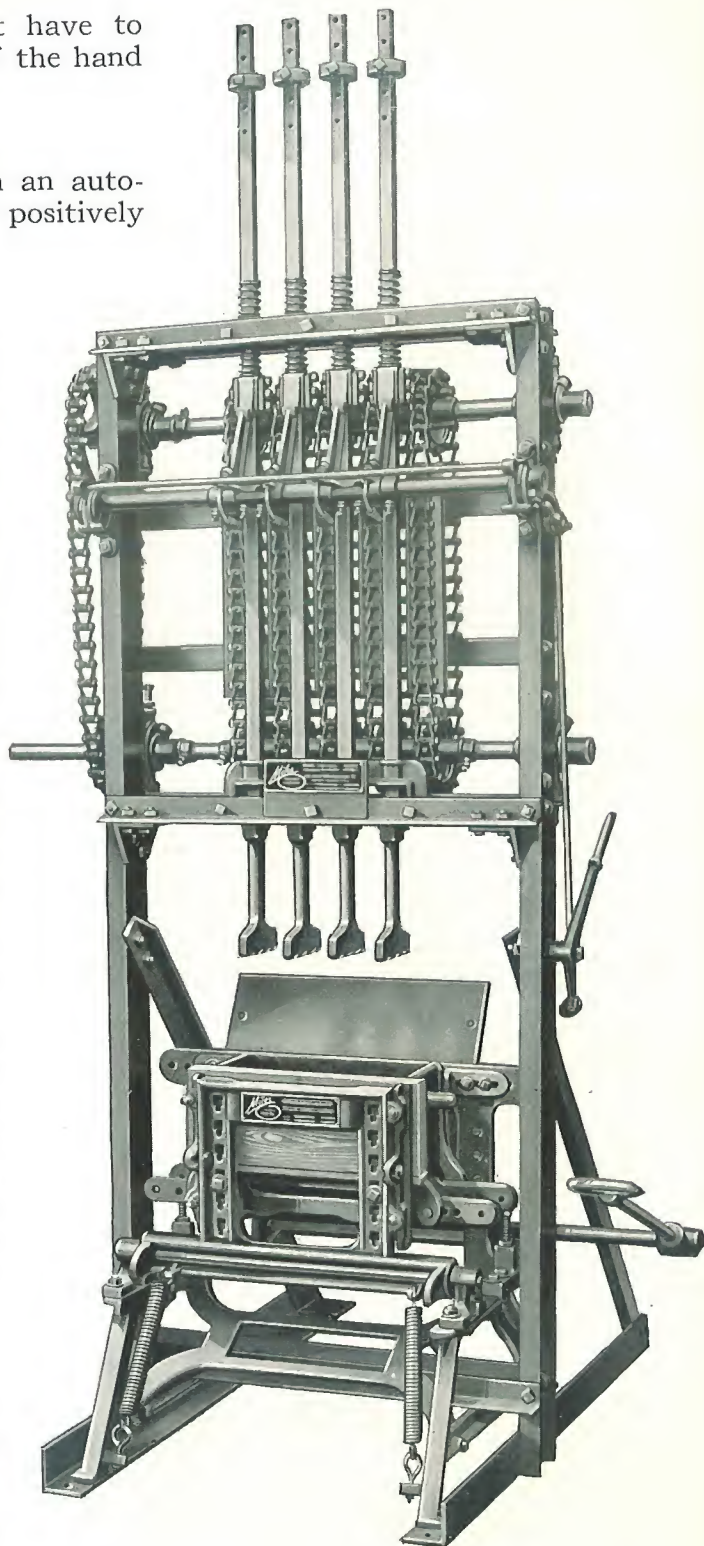
With our power tamper, which has a complete frame construction, it requires but a few minutes' time to set the machine up, whereas a power tamper suspended from rafters requires anywhere from one to three days to properly install. And, there is also a large additional expense due to the heavy overhead framework required.

Very often this framework exceeds the cost of the tamper, whereas our power tamper can be installed in 30 minutes. All that is necessary is to anchor it with four bolts, holes for which are provided in the frames of the tamper. There are hundreds of our tampers which have never been anchored; however, we recommend that it be done.

Method of Tamping

Our tamper bars do not fall together, but one at a time in rapid succession. This has been proven the only correct method of tamping.

Tampers on which all tamper bars drop





Miles Power Tamper

at one time are not as efficient and do not produce a block as thoroughly tamped.

Refer to page 21 and note how the mold box of this machine swings clear of the tamper frame to carry the block away. There is positively nothing to interfere.

Miles Automatic Power Tampers will absolutely pay for themselves in 30 days in your plant with increased production. With a Miles Power Tamper you can easily make from three to four times as many blocks as you can make by hand tamping. This means, you can do six days' work in a day and a half to two days' time and save four days' labor cost, or you can triple your production at the same labor cost.

Figure this out for yourself and see how many weeks it would take you to pay for a power tamper. Frankly, you cannot afford to make blocks by hand, as you are actually paying for a power tamper every 30 days you continue to make blocks by hand. Also, with a power tamper you are positively assured of blocks that are absolutely uniform and perfectly dense.

It is impossible to obtain blocks of the same density and uniformity by hand tamping, because when a man comes to work in the morning he will tamp the block much harder, which naturally makes it more dense, but as the day goes on he becomes tired and cannot tamp the blocks as hard as he did in the morning.

The power tamper does not become tired and will tamp blocks the same every hour of the day.

Method of Making Blocks with Miles Power Tamper and Block Machine Only

Close the mold box and draw cores in place. Then throw one good shovel full of grout in the mold box and start tamper. Do not tamp beneath the cores before

drawing them in place, as this is not necessary with Miles Power Tampers and Block Machines due to their construction and to the tremendous force of each blow of the tamper bars.

While tamper is working throw in the second shovel full of grout, which should be sufficient for one block if the proper size shovel is used. Shut off tamper, strike off surplus grout with steel finishing plate (furnished with all machines), tapering the surplus grout to the center of mold box, leaving grout about two inches high in the center. Place your steel finishing plate on top of grout, steady it with one hand, start your tamper bars to working, allowing the tamper bars to strike the steel finishing plate several times. This will drive the surplus grout into your block and give you a perfectly finished block on both sides. This is conceded to be the simplest and fastest method of making blocks and assures you of perfect blocks at all times.

When Strike-Off Hopper and Finishing Plate Attachment is used see explanation on pages 12 and 13.

When Elevator and Feeder is used see pages 22 and 23.

Power Required

One-half H.P. will operate our tamper. This is the least amount of power required by any power tamper. This small amount of power is made possible by the construction of our machine and the fine workmanship. Every part is accurately machined and fitted, which absolutely overcomes friction.

Driving Speed

The driving pulley on this tamper should be driven at a speed of 255 R.P.M. It is very important that this speed should not be more than ten revolutions lower or higher as the machine is designed for a speed of 255 R.P.M., and for best results must be operated at that speed.



Miles Power Tamper

Space Required

Height of machine—8 ft. 2 in. Overall height when in operation 9 ft. 6 in. Overall width—4 ft. 6 in. Amount of floor space required—42 in. by 54 in.

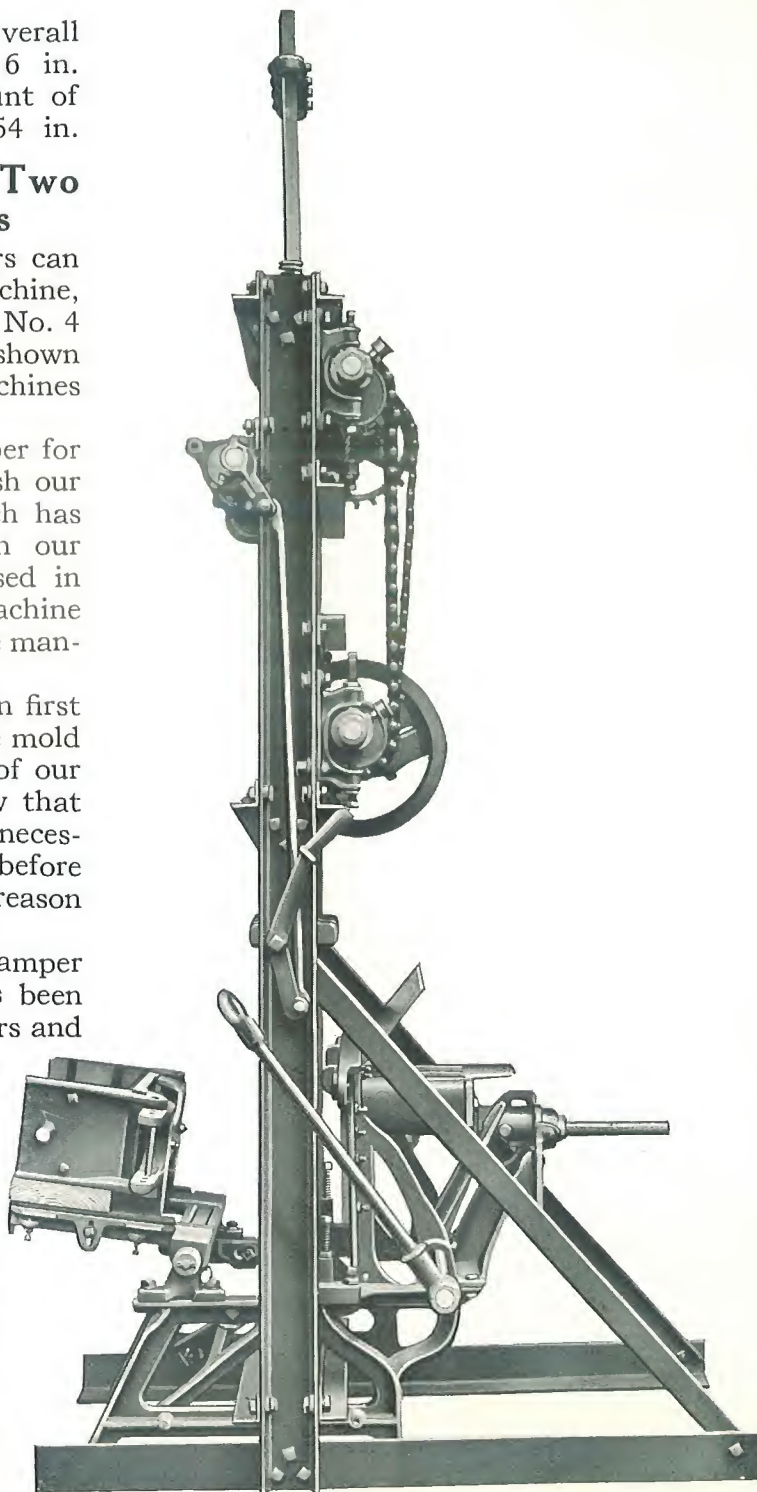
Can Be Used With Either Two or Three Core Machines

Miles Automatic Power Tampers can be used with any make of block machine, either two or three core type. Our No. 4 Miles Automatic Power Tamper, shown in this catalog, is for three core machines only.

Should you desire a power tamper for a two core machine, we can furnish our No. 3 Miles Power Tamper, which has three tamping bars only. When our No. 3 Miles Power Tamper is used in connection with a two core machine blocks are made in exactly the same manner as on our three core machine.

The cores are positively drawn in first before any material is placed in the mold box, for, due to the construction of our tampers and the force of the blow that our tamper bars deliver, it is not necessary to tamp beneath the cores before drawing them in place, and for this reason more blocks can be made per day.

When you purchase a power tamper you should be certain that it has been on the market for a number of years and has proven its value by years of actual service as time alone determines the value of a power tamper. Our Power Tampers have proven their value by 18 years of actual service in all parts of the world. They are built of the very best of materials and are fully guaranteed and will give you constant uninterrupted production year after year without expensive break-downs which of ten mean the loss of valuable orders.





Miles Elevator and Feeder

OUR Elevator and Feeder as shown on pages 23 and 24 in connection with our No. 1 Miles Block Machine and No. 4 Miles Power Tamper, also shown on page 25 in connection with Miles Automatic Stripper and Miles Automatic Power Tamper, can be used in connection with any model Miles Power Tamper and Block Machine, and will more than double the production of your present equipment.

How Furnished

This Elevator and Feeder is furnished in two models. One is what we term our "below the floor lever" model as shown on pages 23 and 24, in which the lower hopper is sunk, making the top of hopper flush with the floor. This model is the most suitable when the mixer is sitting on the floor.

We also furnish what we term as our "above the floor" type as shown on page 25, which is to be used where the mixer is elevated.

Method of Operation

This Elevator and Feeder feeds directly into the mold box of block machine, the flow of materials is under the control of the operator at all times, it requiring but a touch of the hand to start or stop the flow of material. The lower hopper is so

constructed that it cannot clog or stick, you are positively assured of an even flow of material at all times.

Construction

All steel and iron construction, the buckets are made of malleable iron, all other parts are of the very best of their respective kinds. The machine is built for service and will give you satisfactory, uninterrupted service for years.

This machine positively must be seen in operation in order to be appreciated, as its method of feeding surpasses anything on the market today. It is the simplest in construction yet the most efficient, as conceded by block manufacturers who have used many types and concede this to be the best due to its simplicity and efficiency.

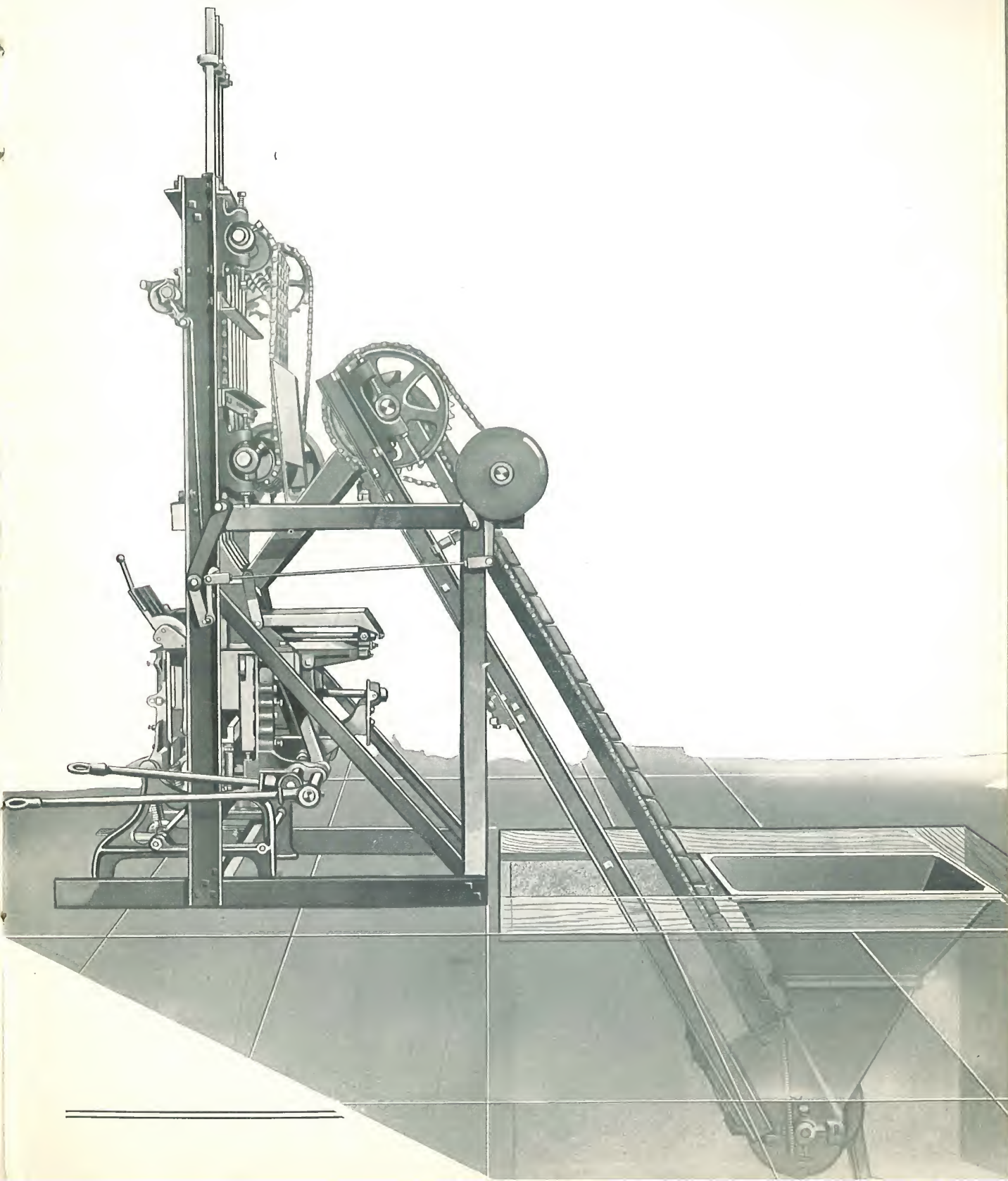
This unit, when used in connection with Miles Automatic Power Tamper and either Face Down Block Machine or Miles Stripper Machine, gives you a complete power unit which cannot be equalled at the price which we sell it for, or cannot be bettered at any price, a fact which we can prove to your satisfaction in your own plant, or give you the opportunity of talking with men who have replaced other all-power outfits with the Miles and concede it to be without equal.

Power Required, 2 H. P., Driving Speed, 135 R. P. M.

THE MILES MANUFACTURING COMPANY ❖ JACKSON, MICH.



Miles Elevator and Feeder





THE MILES MANUFACTURING COMPANY ❖ JACKSON, MICH.

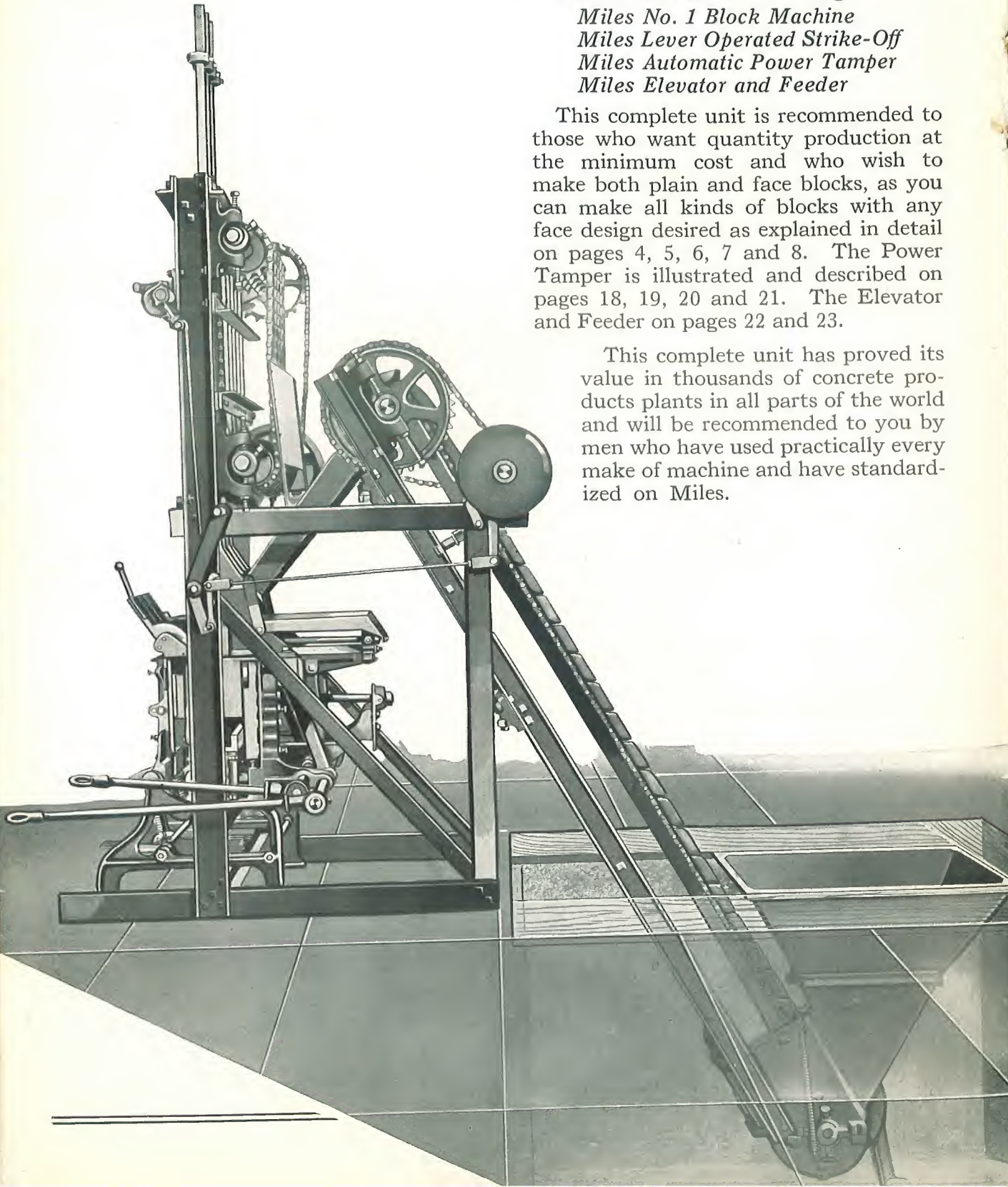
Miles Complete Face Down Power Unit

Which includes the following:

Miles No. 1 Block Machine
Miles Lever Operated Strike-Off
Miles Automatic Power Tamper
Miles Elevator and Feeder

This complete unit is recommended to those who want quantity production at the minimum cost and who wish to make both plain and face blocks, as you can make all kinds of blocks with any face design desired as explained in detail on pages 4, 5, 6, 7 and 8. The Power Tamper is illustrated and described on pages 18, 19, 20 and 21. The Elevator and Feeder on pages 22 and 23.

This complete unit has proved its value in thousands of concrete products plants in all parts of the world and will be recommended to you by men who have used practically every make of machine and have standardized on Miles.





Miles Complete Power Stripper Unit

Which includes the following:

Miles Power Operated Stripper

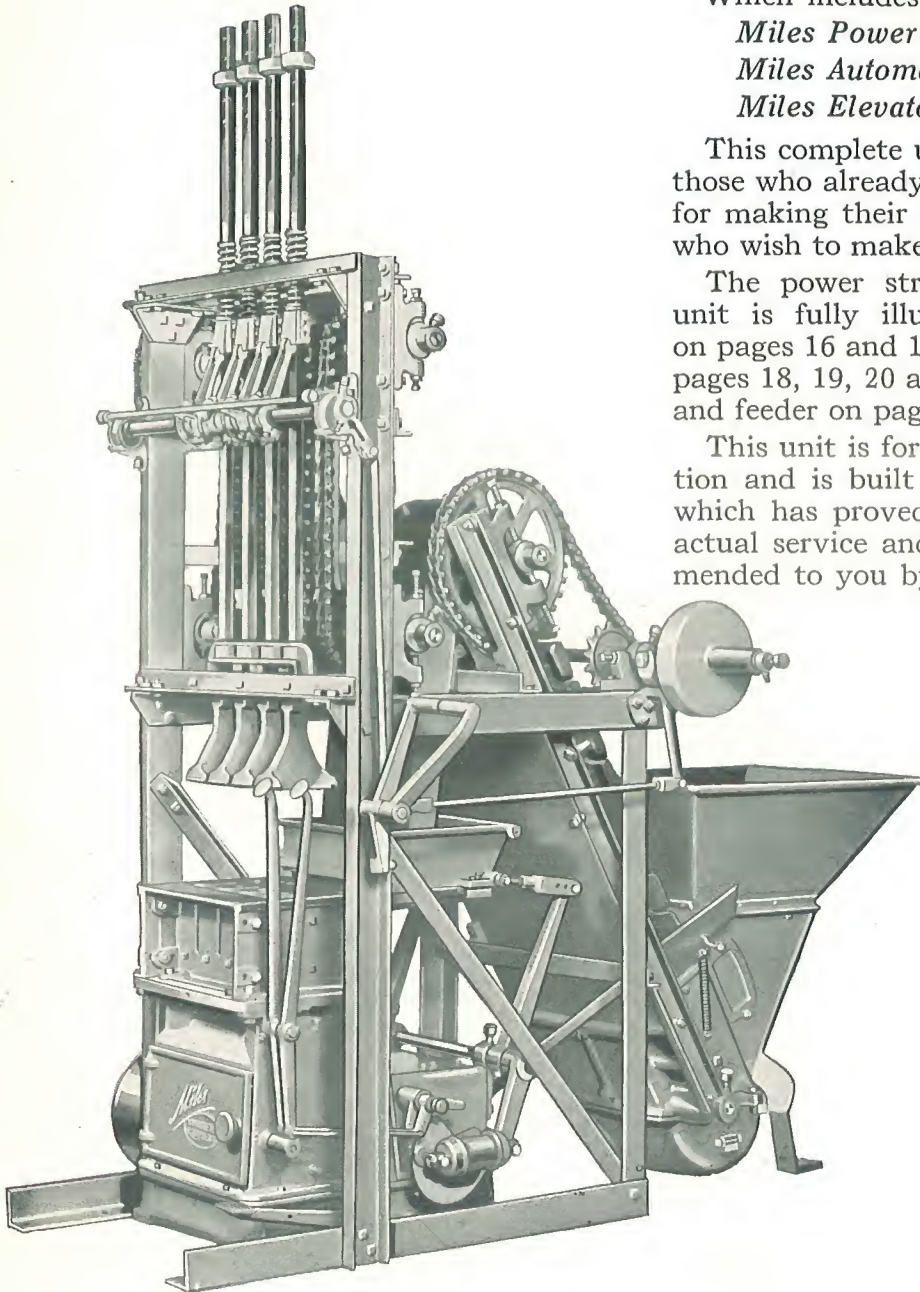
Miles Automatic Power Tamper

Miles Elevator and Feeder

This complete unit is recommended to those who already have a face down unit for making their face blocks or to those who wish to make plain face blocks only.

The power stripper machine in this unit is fully illustrated and described on pages 16 and 17, the power tamper on pages 18, 19, 20 and 21, and the elevator and feeder on pages 22 and 23.

This unit is for large quantity production and is built for service, a machine which has proved its value by years of actual service and will be gladly recommended to you by satisfied owners.





THE MILES MANUFACTURING COMPANY ❖ JACKSON, MICH.

When You Need Special Equipment

♦♦

IF in the market for any equipment which we do not manufacture, advise us and we will gladly furnish you with the names of the manufacturers of same. We keep a complete file showing the names of manufacturers of practically every article used in the concrete products industry. You do not obligate yourself by taking advantage of this service, as we are at the service of all interested in the concrete products industry.

Should there be any other way that we can be of service to you, write us.

THE MILES MANUFACTURING COMPANY
JACKSON, MICHIGAN



The Miles Guarantee



WE guarantee all of our machines to be exactly as represented in this catalog and manufactured in the best mechanical manner, free from defects in either material or workmanship, and will *replace* at any time parts shown to be defective, *free of charge*.

All Miles equipment is sold with the understanding that it will prove entirely as represented by us, if not it can be returned to us at the end of 30 days, at our expense, and without any obligation on your part.

The value of a guarantee is measured by the integrity and responsibility of the makers. We are pioneers in the concrete equipment industry, having devoted the past twenty-eight years to the manufacture and perfection of Miles Concrete Equipment. Our equipment is giving satisfactory service in all parts of the world and we will be very pleased to refer you to any number of our many thousands of satisfied customers for reference, as we have built up our business by our service and cooperation.

THE MILES MANUFACTURING COMPANY
JACKSON, MICHIGAN



Testimonials

What a Few of Our Thousands of Satisfied Users Think of Miles Concrete Equipment.

(Their Names and Thousands of Others will be Furnished on Request)

FROM THE STATES

From Georgia

Have used Miles machines for four years and believe that there is nothing better.

From Indiana

Have been operating Miles machines for better than two years and they have given me continuous production and are satisfactory in every respect.

From West Virginia

I wish to say that Miles machinery is the best that I have ever used and I am perfectly satisfied with same. The Miles Company is always ready to render any service needed and their repairs are very low in price making the upkeep of their machinery very low.

From Ohio

Have used Miles machines for years, before buying my Miles I used a number of other makes which I have discarded and standardized on Miles. The outstanding feature of Miles equipment is speed, durability, simplicity, excellence of blocks and low production cost.

From Kentucky

Have had Miles machines in operation for six years, they are the best at any price. Have seen and used practically every make, but none can compare with Miles, and their service is 100% perfect.



Testimonials



Read these Plain Statements of Facts

(Names on request)



From New York

I have been a Miles user for years and have always found their machines to be, first, as they claim them to be, and, second, they are efficient in every way. I have found that machines of other makes cost more money and are not as efficient as the Miles. Am pleased to recommend them to anyone interested in this kind of equipment.

From Minnesota

The best that we can say regarding Miles is that our every transaction with them for the past five years has been satisfactory and their service the best. When you send them an order for a repair part you get it by return mail without fail, they are just as much interested in the machine after it is sold as when they are trying to sell it, and I am glad to be classified as one of their thousands of satisfied customers.

From Iowa

I am only too glad to recommend Miles equipment and our dealings with the Miles Manufacturing Company, as their machines make the most perfect and uniform block of any machine that I have ever used or had the opportunity of seeing in operation, for good results and economical operation I firmly believe that Miles equipment is the best and they live up to the letter of their guarantee.

From Washington

Have used Miles machines for years, they make good blocks which sell easily over my competitors due to their clean cut attractive face designs and the squareness of the block.

From Michigan

Have been a Miles customer for nine years, the policy of the Miles Manufacturing Company is service spelled with a capital "S", and our business relations have always been most cordial. Their machines are reasonable in first cost, low in maintenance and far in advance of others in production.



Testimonials



Thousands of Other Similar Letters on File

(Names on request)



From Alabama

I am averaging 325 blocks per day with my Miles block machine tamping by hand and this is more than I have ever been able to make with a hand machine and I think that the Miles machine is in a class by itself.

From New England

We do not know of anyone who can give more for the money than the Miles people as they were making machines years before many others even thought of the concrete block industry and we are satisfied in every way.

From Indiana

We are operating three complete Miles all power units, they are dependable producers, plenty of speed and making perfect blocks, pleasing to customers and easy to sell, and expect to add more machines this season which certainly will be Miles.

The Miles Corporation in business methods are above reproach in every way and we will gladly show our machines to any one interested.

From Michigan

We average 1250—8 x 8 x 16 blocks in nine hours with one Miles power tamper and a face down block machine, one man operating the tamper with the concrete mixed for him and blocks carried away for. We have owned and seen a great many power tamper outfits, but this beats them all.

From Kansas

There are a lot of machines more expensive than Miles, but none better at any price as I speak with authority on this subject, having owned a number of different makes before buying Miles and have seen every popular make in operation, and if you want to show a profit I certainly recommend that you investigate Miles, their word is as good as their guarantee.



Testimonials



These Men Know from Experience

(Names on request)



From Ohio

Miles machines are as near "fool-proof" as is possible to make a machine, we have Miles machines which have been in operation for better than 12 years and are still giving satisfactory service. We have seen about every make, but believe Miles to be the best.

From Illinois

When it comes to production there is no machine can pass the Miles, we operate two other makes in our plant, however, our men prefer Miles as it is much easier to operate and a faster machine and always running.

From One of Pennsylvania's Largest Block Manufacturers

We are very much pleased with the general character of the blocks produced on our Miles equipment, they being very uniform and square blocks, all corners with sharp edges. Before buying Miles we used another make which cost more and the Miles has more than doubled the production with the same amount of labor, in fact we think so highly of the Miles machines that we have recommended them to everyone who has come to our plant. The Miles representative in this territory has sold at least 12 machines on our recommendation and it would be a pleasure for us to demonstrate or recommend your equipment at any time.

From Michigan

The best testimonial that we could give for Miles is that we have been privileged to be numbered as one of their customers for more than 20 years and they have always kept faith with us, and their machines are exactly as represented, and the best dollar for dollar buy on the market barring none.

From Texas

The Miles Company is the only block machinery company that I have ever done business with that have kept their promises, never failing to give service when needed.



ON the preceding pages we have tried to tell you about Miles Concrete Equipment, however our space is limited and should there be any further information which you desire, advise us and we will gladly explain in detail, as we would very much appreciate the opportunity of numbering you as one of our many thousands of satisfied customers.

We know that Miles Concrete Equipment will satisfactorily meet your every requirement, as it has satisfactorily met the every requirement of our many thousands of satisfied customers in all parts of the world, as all of our equipment is built for service and Fully Guaranteed and positively must be seen and used in order to be appreciated.

All of our equipment is shipped with the understanding that, should it not prove entirely as represented by us, it can be returned to us at the end of 30 days at our expense and without any obligation on your part.

The prices at which we sell Miles Concrete Equipment are a great deal lower than asked for any other equipment at anywhere near the same quality. Our prices are made possible by our large volume production and facilities for manufacturing at the minimum expense.

We trust that we may have the pleasure of hearing favorably from you.

THE MILES MANUFACTURING COMPANY



Photographic and Plan Section

THE following pages show illustrations of homes and buildings built of concrete blocks, also homes built of concrete blocks and stuccoed. The stuccoed concrete block house is the home of the future. It is warmer in winter and cooler in summer and can be made absolutely moisture proof. It is positively fire and vermin proof, and when properly stuccoed cannot be equalled in beauty. The stuccoed concrete home requires no constant maintenance such as repairs and painting.

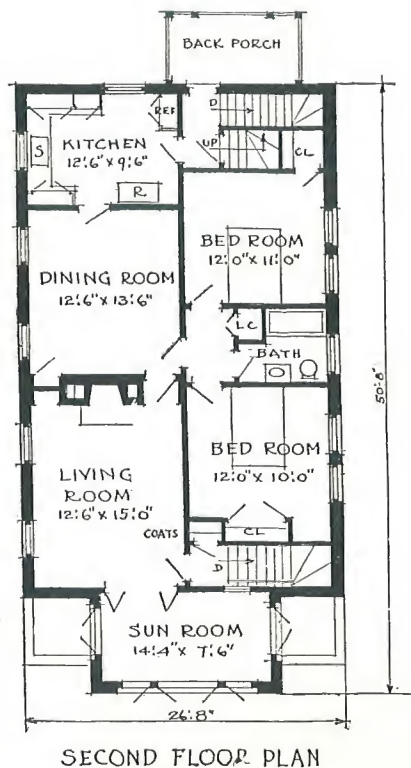
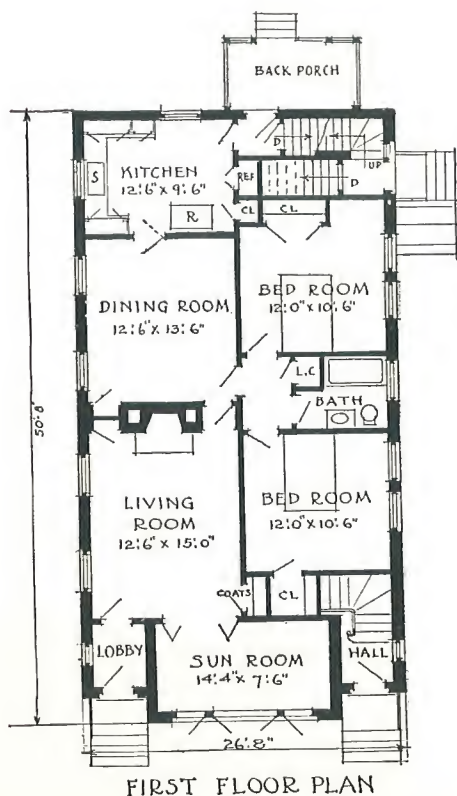
On pages 34 to 40 inclusive are shown homes built of concrete blocks and stuccoed, the plans and specifications of which can be furnished.

Save catalog for this photographic and plan section will help you sell thousands of concrete blocks if you will show it to prospective home builders and contractors. It will give them a very good idea of what they can do with concrete blocks.



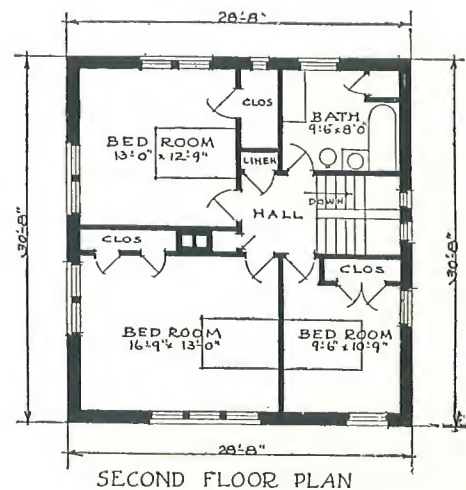
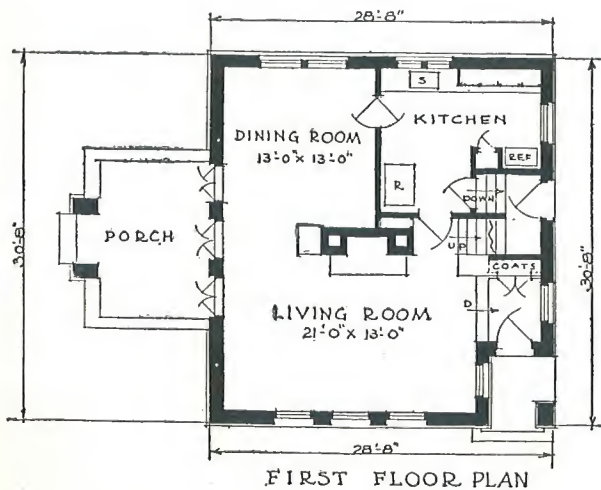
5209

This two-family apartment built of concrete blocks and stuccoed will rent at a higher figure than a frame building made of the same plans in the same location, as it is fire and vermin proof, cooler in the summer and warmer in the winter. Plans and specifications for this home can be furnished.





This beautiful home, built with concrete blocks and stuccoed, cannot be equalled in beauty and is fire-proof, and is the home of the future. Plans and specifications for this home can be furnished.

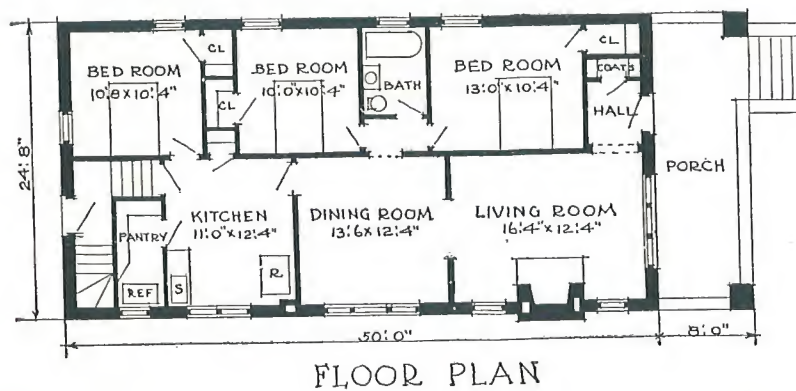




THE MILES MANUFACTURING COMPANY ❖ JACKSON, MICH.

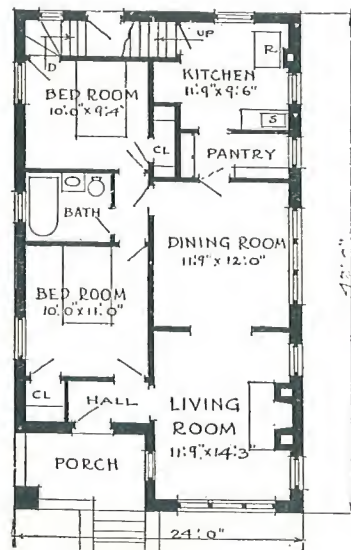


This modern, attractive bungalow, built of concrete blocks and stuccoed, will outlive any frame building and last as long as a home built of either brick or stone. Plans and specifications for this home can be furnished.





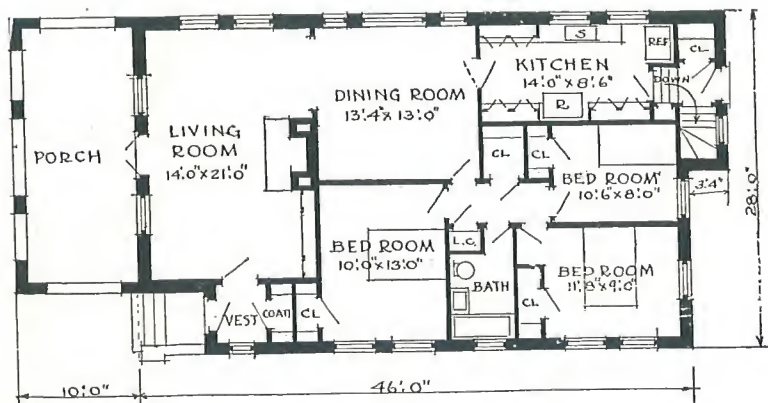
This attractive small bungalow, built of concrete blocks and stuccoed, assures its owner of a cool house in the summer and a warm house in the winter; a house which is both fire and vermin proof and which does not require painting or constant care and repairing as does the wood house. Plans and specifications for this home can be furnished.



FLOOR PLAN



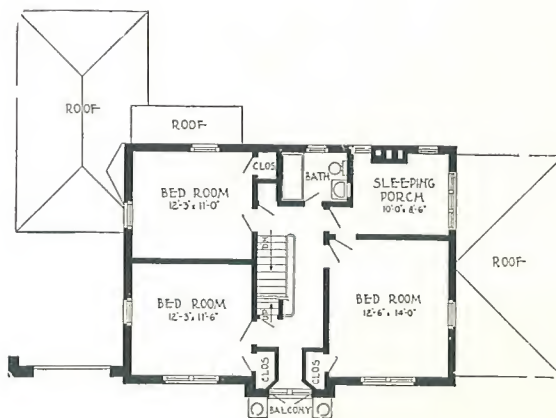
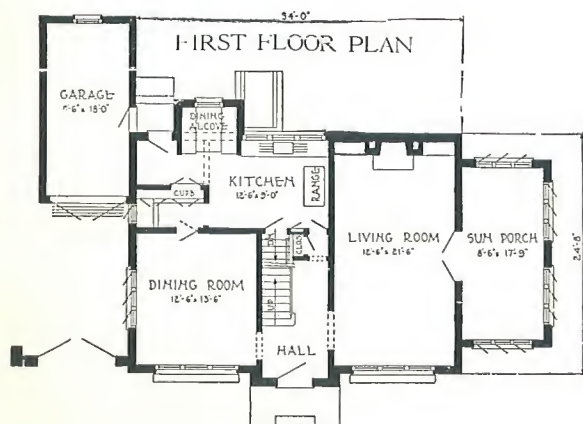
This bungalow, built of concrete blocks and stuccoed, assures the owner of a home which remains attractive year after year without requiring paint and other maintenance. It is much more attractive than a frame house and will sell much more readily. Plans and specifications for this home can be furnished.



FLOOR PLAN

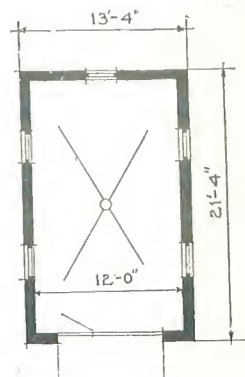
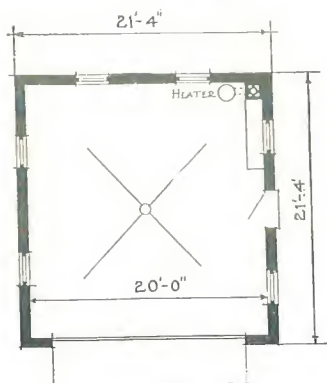
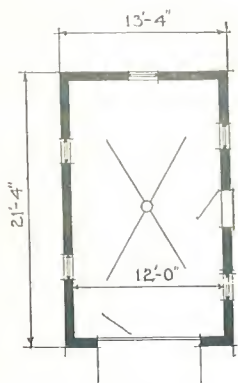
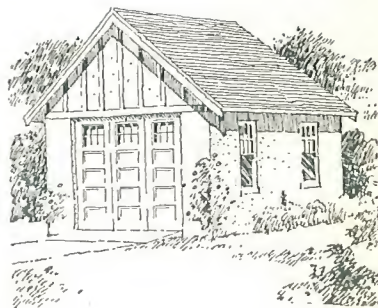
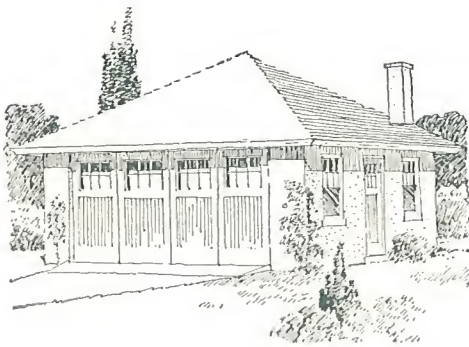
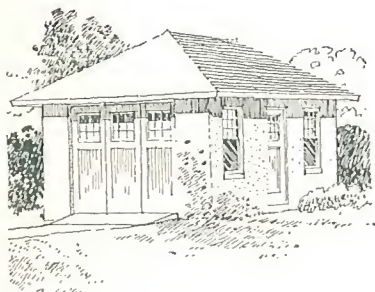


A beautiful home of impressive dignity, built of concrete blocks and stuccoed. Plans and specifications can be furnished.





THE MILES MANUFACTURING COMPANY ❖ JACKSON, MICH.



Concrete Block Garages

Built of concrete blocks and stuccoed, which assures you of a garage which is warm in winter and attractive in appearance as well as fire-proof. Plans and specifications of these garages can be furnished.



The Home Beautiful built of concrete blocks and stuccoed. Compare this bungalow with any frame bungalow in your city and decide which is the most attractive.



Another Bungalow built of concrete blocks and stuccoed. Homes of this type are fire, moisture and vermin proof and will outlast a frame building many times over.



The Home Attractive built of blocks and stuccoed. Compare it with the frame dwelling house at the right. Which would be your choice? It is not only more attractive, but more serviceable and fire proof.



An Old English type house built of concrete blocks. Many artistic effects can be had with concrete building blocks.



A small attractive bungalow made of concrete blocks and stuccoed.



There are many thousands of attractive houses of worship built of concrete blocks made with Miles Concrete Equipment.



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At right—Bank, Store and Opera House building, 140 x 50; at left—Store building, 104 x 60, built of blocks made with Miles Concrete Equipment.



Church and guild house built of blocks made with Miles Concrete Equipment, which is attractive in appearance and which will outlive a frame building many times over and last as long as any building built of stone or brick.



Fairlawn Hotel, Fruitvale, California, built of concrete blocks.



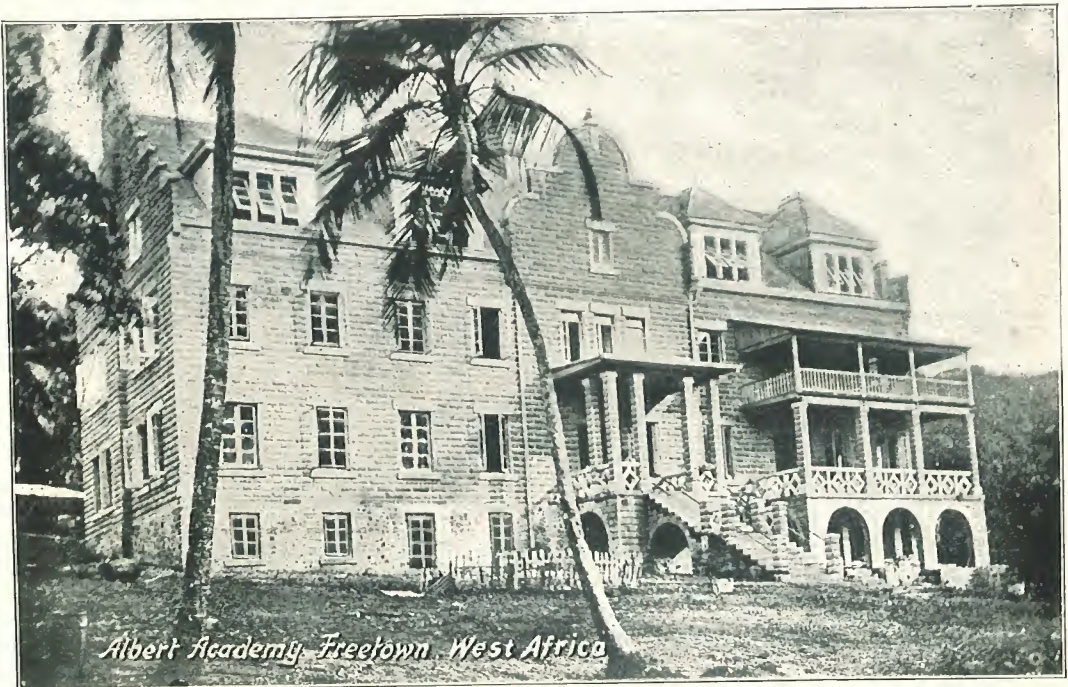
This mausoleum will keep faith with the dead placed within its walls practically forever with little or no care.



THE MILES MANUFACTURING COMPANY ❖ JACKSON, MICH.



The popular square house made of blocks, made with Miles Concrete Equipment.



Albert Academy, Freetown, West Africa
Albert Academy at Freetown, Sierre-Leone, West Africa, built of concrete blocks made with Miles Concrete Equipment. Miles Concrete Equipment is giving satisfactory service in all parts of the world.



A large apartment building built with concrete blocks. Its occupants are assured of a cool apartment in summer and a warm apartment in winter, walls which are sound proof, and a building which is fire proof.



Shore Line Depot at Bowling Green, Missouri, built of concrete blocks.



Your Opportunity Is Here Now

THE Concrete Block Industry is twenty-nine years old and yet it is in its infancy. The man entering this field now is entering one of the most profitable business fields, where the demand will grow greater each year and where the demand is certain to exceed the supply.

The home of the future must be built of concrete for statistics show that it is only a matter of a few years before the average man will be unable to build of lumber, due to the excessive cost.

He must use a lumber substitute, and concrete building blocks are the most practical.

We suggest that you use this catalog to show contractors, architects and prospective home builders the possibilities of the concrete building block, show them the homes on the preceding pages, which are only a few of many thousands which have been built of concrete blocks.

Any further information which you may desire will be cheerfully furnished, and any way that we can cooperate with you will be gladly done.

THE MILES MANUFACTURING COMPANY
JACKSON, MICHIGAN



